

FACILITY NAME/ADDRESS:
Credit River Township - Stonebridge
8925 Canter Ln
Prior Lake, MN 55372

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMITEE NAME/ADDRESS:
Credit River Township - Stonebridge
18985 Meadow View Blvd
Prior Lake, MN 55372

STATION INFORMATION:
WS-001 (Influent Waste)
Waste Stream, Influent Waste

PERMIT#	LIMIT STATUS	FORMER #
MN0067261	FINAL	

MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2011	09	01	2011
			09

No Flow ('Yes' or 'No'):

No

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS		SAMPLE TYPE
Precipitation 00193	SAMPLE VALUE	*****	0.26	In	*****	*****	*****	****	1	Day	Measur
	PERMIT REQ	*****	REPORT CalMoTot		*****	*****	*****		1x	Day	Measur
Flow 50050	SAMPLE VALUE	*****	0.1355	MG	*****	0.0045	0.0063	mgd	1	Day	MeaCon
	PERMIT REQ	*****	REPORT CalMoTot		*****	0.0144 CalMoAvg	0.0216 DailyMax		1x	Day	MeaCon
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****	****	*****	62.5	*****	mg/L	2	Month	Grab
	PERMIT REQ	*****	*****		*****	REPORT CalMoAvg	*****		2x	Month	Grab
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****	****	*****	37	*****	mg/L	2	Month	Grab
	PERMIT REQ	*****	*****		*****	REPORT CalMoAvg	*****		2x	Month	Grab
pH 00400	SAMPLE VALUE	*****	*****	****	7.4	*****	7.87	SU	2	Month	Grab
	PERMIT REQ	*****	*****		REPORT CalMoMin	*****	REPORT CalMoMax		2x	Month	Grab

COMMENTS:

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PERMITEE NAME/ADDRESS:
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18985 Meadow View Blvd
Prior Lake, MN 55372

STATION INFORMATION:

WS-002 (Septic to Drainfield Monitoring Location)
Waste Stream, Intermediate; WW to Land

No Flow ('Yes' or 'No'):

No

PERMIT#	LIMIT STATUS	FORMER #
MN0067261	FINAL	

MONITORING PERIOD

YEAR MO DAY		YEAR MO DAY	
FROM:	2011-09-01	TO:	2011-09-30

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY		SAMPLE
									OF ANALYSIS		TYPE
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****	****	*****	6.15	*****	mg/L	2	Month	Grab
	PERMIT REQ	*****	*****		*****	REPORT CalMoAvg	*****		2x	Month	Grab
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****	****	*****	4.3	*****	mg/L	2	Month	Grab
	PERMIT REQ	*****	*****		*****	REPORT CalMoAvg	*****		2x	Month	Grab
Chloride, Total 00940	SAMPLE VALUE	*****	*****	****	*****	678	*****	mg/L	2	Month	Grab
	PERMIT REQ	*****	*****		*****	REPORT CalMoAvg	*****		2x	Month	Grab
Nitrogen, Total (as N) 00600	SAMPLE VALUE	*****	*****	****	*****	35.2	*****	mg/L	2	Month	Grab
	PERMIT REQ	*****	*****		*****	REPORT CalMoAvg	*****		2x	Month	Grab
COMMENTS:											

STATION INFORMATION:
WS-003 (Septic Tank Monitoring)
Waste Stream, Internal Waste Stream

PERMIT#	LIMIT STATUS	FORMER #
MN0067261	FINAL	

MONITORING PERIOD					
YEAR MO DAY			YEAR MO DAY		
FROM:	2011-09-01		TO:	2011-09-30	

No

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS		SAMPLE TYPE
Scum Depth, Maximum of Sample 00068	SAMPLE VALUE	*****	0	in	*****	*****	*****	*****	1	Quarter	Measur
	PERMIT REQ	*****	REPORT SingleVal		*****	*****	*****		1x	Quarter	Measur
Sludge Depth, Maximum of Sample 04192	SAMPLE VALUE	*****	12	in	*****	*****	*****	*****	1	Quarter	Measur
	PERMIT REQ	*****	REPORT SingleVal		*****	*****	*****		1x	Quarter	Measur
Remaining Scum Capacity 04195	SAMPLE VALUE	*****	3	in	*****	*****	*****	*****	1	Quarter	Measur
	PERMIT REQ	*****	REPORT SingleVal		*****	*****	*****		1x	Quarter	Measur
Remaining Sludge Capacity 72109	SAMPLE VALUE	*****	27	in	*****	*****	*****	*****	1	Quarter	Measur
	PERMIT REQ	*****	REPORT SingleVal		*****	*****	*****		1x	Quarter	Measur
COMMENTS:											

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PERMITEE NAME/ADDRESS:
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18985 Meadow View Blvd
Prior Lake, MN 55372

STATION INFORMATION:

WS-004 (Septic Tank to Pretreatment Unit)
Waste Stream, Internal Waste Stream

No Flow ('Yes' or 'No'):

No

PERMIT#	LIMIT STATUS	FORMER #
MN0067261	FINAL	

MONITORING PERIOD

YEAR MO DAY		YEAR MO DAY	
FROM:	2011-09-01	TO:	2011-09-30

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY		SAMPLE
									OF ANALYSIS		TYPE
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****	****	*****	*****	22.4	mg/L	1	Quarter	Grab
	PERMIT REQ	*****	*****		*****	*****	REPORT SingleVal		1x	Quarter	Grab
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****	****	*****	*****	62	mg/L	1	Quarter	Grab
	PERMIT REQ	*****	*****		*****	*****	REPORT SingleVal		1x	Quarter	Grab
Chloride, Total 00940	SAMPLE VALUE	*****	*****	****	*****	*****	700	mg/L	1	Quarter	Grab
	PERMIT REQ	*****	*****		*****	*****	REPORT SingleVal		1x	Quarter	Grab
Nitrogen, Total (as N) 00600	SAMPLE VALUE	*****	*****	****	*****	*****	50.1	mg/L	1	Quarter	Grab
	PERMIT REQ	*****	*****		*****	*****	REPORT SingleVal		1x	Quarter	Grab
COMMENTS:											

WS-001 pH: 7.87
WS-001 pH: 7.4

Precipitation data collected from the National Weather Service (www.weather.gov/climate)

Stonebridge September Wastewater Operation Summary Credit River Township

Monitoring Wells
Sample as required by permit (April, July, October)
Take water level measurements
Take field tests for conductivity, temp, PH

Frequency
3 / year
3 / year
3 / year

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General
Measure sludge and scum in STEP septic tanks
Clean Biotube STEP filters and test pump operation
Pull pump, clean inlet screen
Monitor flow via TCOM
Perform collection system maintenance

1 / year
1 / year
1 / year
1 / week
2 / year

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<input checked="" type="checkbox"/>	Completed
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Advanter AX100 Pods
Download pump run times and event counters
Verify pumps are operational
Observe 6-way diverter operation
Test amp draws of pumps
Clean Biotube filters and pump inlet screens
Sample influent as required by permit
Check for orifice plugging
Visually inspect treatment pods for performance issues
Flush dosing lines

1 / month
1 / month
4 / year
1 / month
1 / year
2 / month
4 / year
4 / year
4 / year

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Drainfield
Visually inspect the drainfield and walk around mounds.
Observe cleanouts in mounds for evidence of ponding.
Turn pumps to hand to observe diverter operation.
Check for rodent activity/apply pesticide
System winterized

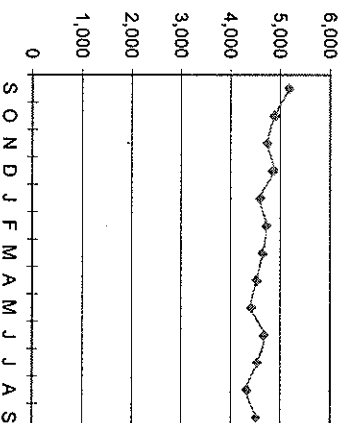
6 / month
6 / month
4 / year
6 / year
1 / year

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Average Daily Flow
Current month reading 4,517 gallons per day
Previous month reading 4,329 gallons per day
Increase/decrease 188 gallons per day

Average Daily Flow
(gpd)



Month

Comments
EcoCheck collected monthly wastewater sampling per the MPCA requirements. Daily waste flows were monitored, logged and pumps verified to be operational. Walk through inspections of the treatment site and mound system were performed.
Seasonal Collection System Inspection and Maintenance occurred in September.

Future Maintenance Needs

Date: 09/07/11 09/13/11 09/21/11 09/28/11
Operator: SK SS SK TB/SS

"We're more than just operators..."

Providing experienced water and wastewater operations, maintenance, and management services to homeowners associations, local governments, and residential developers.

SAMPLE RESULTS

PACE Sample: 509432
Description: WS-001
Sample Date: 9/7/2011 11:00:00 AM

Matrix: Aqueous
Sample Type: Grab

PACE COC: 119017
Client: -EcoCheck
Project: VM4423 - Stonebridge
Sampled By: Client
Report Date: 9/27/2011
Rec'd Temperature: 3.1 °C

Analyte	Result	RL Units	Method	Prepared Date	Analysis Date
CBOD	102	40 mg/L	SM 5210B	9/8/2011 07:23	
Solids, Nonfilterable (TSS)	62	1 mg/L	USGS 1-3765-85	9/14/2011	

SAMPLE RESULTS

PACE Sample: 509433
Description: WS-002
Sample Date: 9/7/2011 11:10:00 AM

Matrix: Aqueous
Sample Type: Grab

PACE COC: 119017
Client: - EcoCheck
Project: VM4423 - Stonebridge

Sampled By: Client
Report Date: 9/27/2011
Rec'd Temperature: 3.1 °C

Analyte	Result	RL Units	Method	Prepared Date	Analysis Date
CBOD	6.8	6 mg/L	SM 5210B	9/8/2011 07:23	
Chloride	638	5 mg/L	EPA 300.0	9/21/2011 21:40	
Nitrogen, Nitrate+Nitrite	24.4	0.5 mg/L as N	EPA 363.2	9/14/2011 09:45	
Nitrogen, Total	31.9	0.5 mg/L as N	EPA 361.2/363.2	9/26/2011 13:24	
Nitrogen, Total Kjeldahl	7.46	0.5 mg/L as N	EPA 361.2	9/21/2011	9/22/2011 13:13
Solids, Nonfilterable (TSS)	7.3	1 mg/L	USGS 1-3765-85		9/14/2011

SAMPLE RESULTS

PACE Sample: 513082

Matrix: Aqueous

PACE COC: 119567

Description: WS-001

Sample Type: Grab

Client: - EcoCheck

Sample Date: 9/22/2011 12:40:00 PM

Project: VM4423 - Stonebridge

Sampled By: Client

Report Date: 10/3/2011

Rec'd Temperature: 5.7 °C

Analyte	Result	RL Units	Method	Prepared Date	Analysis Date
CBOD	23	12 mg/L	SM 5210B		9/23/2011 09:07
Solids, Nonfilterable (TSS)	22	1 mg/L	USGS I-3765-85		9/27/2011

SAMPLE RESULTS

PAGE Sample: 613083
Description: WS-002
Sample Date: 9/22/2011 1:00:00 PM

Matrix: Aqueous
Sample Type: Grab

PAGE COC: 119567
Client: - EcoCheck
Project: VM4423 - Stonebridge
Sampled By: Client
Report Date: 10/3/2011
Rec'd Temperature: 5.7 °C

Analyte	Result	RL Units	Method	Prepared Date	Analysis Date
CBOD	5.5	5.2 mg/L	SM 5210B	9/23/2011 09:07	
Chloride	718	5 mg/L	EPA 300.0	9/30/2011 05:39	
Nitrogen, Nitrate+Nitrite	33.4	0.5 mg/L as N	EPA 353.2	9/27/2011 10:42	
Nitrogen, Total	38.4	0.5 mg/L as N	EPA 351.2/353.2	9/30/2011 11:01	
Nitrogen, Total Kjeldahl	5.04	0.5 mg/L as N	EPA 351.2	9/29/2011	9/30/2011 07:32
Solids, Nonfilterable (TSS)	1.3	1 mg/L	USGS 1-3765-85		9/27/2011

SAMPLE RESULTS

PAGE Sample: 613081
Description: WS-004
Sample Date: 9/22/2011 12:50:00 PM

Matrix: Aqueous
Sample Type: Grab

PAGE COG: 119566
Client: - EcoCheck
Project: VM4423 - Stonebridge
Sampled By: Client
Report Date: 10/3/2011
Rec'd Temperature: 5.7 °C

Analyte	Result	RL	Units	Method	Prepared Date	Analysis Date
CBOD	<22.4	22.4	mg/L	SM 5210B	9/23/2011 09:07	
Chloride	700	5	mg/L	EPA 300.0	9/30/2011 06:15	
Nitrogen, Nitrate+Nitrite	14.6	0.2	mg/L as N	EPA 353.2	9/27/2011 10:45	
Nitrogen, Total	50.1	2.5	mg/L as N	EPA 351.2/353.2	9/30/2011 11:00	
Nitrogen, Total Kjeldahl	35.5	2.5	mg/L as N	EPA 351.2	9/29/2011	9/30/2011 07:35
Solids, Nonfilterable (TSS)	62	1	mg/L	USGS 1-3765-86		9/27/2011